

Air Pollution Control Technology Memorandums

MEMORANDUM

TO: Developers and Vendors of Air Pollution Control Technology

FROM: Jack R. Farmer, Project Manager, Environmental Technology Verification (ETV) Air Pollution Control Technology Program

SUBJECT: Distribution List

DATE: January 7, 1998

As a developer or vendor of air pollution control technologies, you are being notified that the U.S. Environmental Protection Agency (EPA), through its partner, the Research Triangle Institute (RTI), has initiated an Environmental Technology Verification (ETV) Pilot Program in Air Pollution Control Technology (APCT).

The APCT Program will verify the performance of commercial-ready technologies used to control air pollutant emissions. The primary emphasis of the APCT Program is on technologies for controlling particulate matter, volatile organic compounds, nitrogen oxides, and hazardous air pollutants. The APCT Program will not evaluate technologies that are at the pilot or bench scale.

The APCT Program will develop standardized verification protocols and test plans, conduct independent testing of technologies, and prepare verification test reports for broad dissemination. The APCT Program must become self-sustaining, or "privatized," at the end of the pilot period by operating on project-generated income (user fees) and other resources.

The APCT Program will operate as a pilot during the first 3-year period. EPA funding will be available and will be used by RTI as an incentive to the developers/vendors applying to have their control technology tested. RTI will leverage the EPA funds and require some cost sharing by the developers/vendors. A minimum of 10 percent will be required. As the APCT Program becomes established and the benefits of verification testing better known, the cost sharing requirements will increase through the 3-year pilot period.

A Stakeholders Advisory Committee (SAC) is being established to assist in selecting and prioritizing technologies for verification testing, reviewing verification statements, and monitoring the overall progress of the APCT Program activities. With the assistance of the SAC, RTI will identify the key market needs, develop technology screening criteria,

and solicit for vendor technologies. The SAC members chosen will have broad experience in the air pollution control field.

Working with the SAC, RTI will review applications from developers/vendors and then select the technologies to be verified. The development of Protocols for key technology categories will also begin. These activities will continue even as verification testing of the earlier selected control technologies proceeds. Using the vendor contacts that result from soliciting technologies, RTI will move toward privatization of the APCT Program.

After sufficient technologies have been identified, the SAC and Program staff will prioritize the technologies. The factors to be considered in the priority setting process include:

- Importance of the air pollution problem addressed;
- Commercial availability, including multiple vendors for the control technology;
- Availability of emission test methods;
- Interest of developers/vendors in the verification program and willingness to cover some portion of program costs;
- Potential market for the technology; and
- Suitability to the APCT Program concept. Some technologies will be better suited than others to the market-driven aspects of the ETV Program.

The value and benefits of the APCT Program to the various interest groups are as follows:

Technology Developers and Vendors:

- Reduced number of tests needed for a particular air pollution control technology to achieve acceptance by potential users and regulatory agencies;
- Fair and open competition;
- Increased credibility and utility of test results due to useful, high-quality, consistent, and widely accepted data;
- Access to expertise in testing and verifying air pollution control technologies;
- Broad acceptance of control technologies having verification statements;
- Sound science-based marketing tool;
- Increased public recognition of verified technologies due to outreach efforts;
- Larger markets and more business opportunities;
- Added confidence for investors, stockholders, and lenders; and
- Accelerated entrance of new and/or improved air pollution control technologies into the marketplace.

Technology Users and Purchasers:

- Assistance in evaluating competing air pollution control technologies;
- Assurance that performance data are objective and credible;
- Assurance that a technology's performance is substantiated and supportable;

- Faster and simpler permitting process;
- Increased availability of technologies that meet control requirements; and
- Reduced risk for financial investors.

Regulators:

- Access to credible and objective performance data;
- Demonstrated technological basis for streamlining the permitting process;
- Confidence in the performance of control systems permitted;
- Confidence that data are verified by an independent and credible third party;
- Improved ability to make informed decisions; and
- More rapid deployment of air pollution control technologies to meet regulatory requirements.

The Public:

- Reduced air pollution and its adverse impact on health and the environment;
- Cost effective and efficient development of solutions for air pollution problems;
- Stimulation of the environmental technology sector of the economy; and
- Increased competitiveness of American environmental technologies in the global marketplace.

RTI is setting up a distribution list of developers/vendors of air pollution control technologies, including company name, address, e-mail address, fax number, telephone number, world wide web site, and types of technologies offered. We were able to obtain all of the information for some companies, but for others, some information is missing. The information for your company is attached. Please complete the missing information and return it so that we have complete information for your company. We will provide information to companies on the distribution list by e-mail, fax, or mail. If you do not wish to be on the distribution list, please advise us.

EPA and RTI have web sites with more detailed information on the ETV and APCT Programs.

EPA ETV Website: <http://www.epa.gov/etv/index.htm>

RTI APCT ETV Website: <http://etv.rti.org/apct/>

If you have any questions, please contact Jack Farmer: e-mail, jrf@rti.org; telephone, (919) 541-6909; or fax, (919) 541-6936. Thank you.